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## PROVISIONAL APPLICATION COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION under 37 CFR 1.53 (b)(2).

Docket Number	Type a plus sign (+) inside this box →
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INVENTOR(s)/APPLICANT(s)			
LAST NAME	FIRST NAME	MIDDLE INITIAL	RESIDENCE (CITY AND EITHER STATE OR FOREIGN COUNTRY)
SNELL	ALAN	K.	2550 W. BARBERRY LN. IDAHO FALLS, IDAHO U.S.A.
TITLE OF THE INVENTION (280 characters max)			
<b>A METHOD FOR MINIATURIZING A DIAPER BY FOLDING AND VACUUM SEALING</b>			
CORRESPONDENCE ADDRESS			
P.O. Box 100 MENAN, IDAHO 83434			
STATE	IDAHO	ZIP CODE	83434
COUNTRY		U.S.A.	
ENCLOSED APPLICATION PARTS (check all that apply)			
<input checked="" type="checkbox"/>	Specification	Number of Pages	5
<input checked="" type="checkbox"/>	Drawing(s)	Number of Sheets	5
<input checked="" type="checkbox"/>	Small Entity Statement 1 PAGE		
<input checked="" type="checkbox"/>	Other (specify) 16 PHOTOS / 4 - PAGES		
METHOD OF PAYMENT (check one)			
<input checked="" type="checkbox"/>	A check or money order is enclosed to cover the Provisional filing fees 412960106		PROVISIONAL FILING FEE AMOUNT (\$) \$120.00
<input type="checkbox"/>	The Commissioner is hereby authorized to charge filing fees and credit Deposit Account Number: _____		

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

 No. Yes, the name of the U.S. Government agency and the Government contract number are: \_\_\_\_\_

Respectfully submitted,

SIGNATURE 

Date 02/26/03

TYPED or PRINTED NAME ALAN SNELLREGISTRATION NO.  
(if appropriate) \_\_\_\_\_ Additional inventors are being named on separately numbered sheets attached hereto

## PROVISIONAL APPLICATION FILING ONLY

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A UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER

Mailed 2-26-03

Provisional Patent Application  
Commissioner of Patents and Trademarks  
Washington, District of Columbia 20231

Sir:

Please file the following enclosed provisional patent application papers:

Application (s) Name(s):

ALAN SNELL

Title A METHOD FOR MINIATURIZING A  
DIAPER BY FOLDING AND VACUUM SEALING

Cover Page and Specification, No. of Pages Enclosed: \_\_\_\_\_

Sketch, No. of Pages Enclosed: \_\_\_\_\_

Small Entity Declaration:

Check for \$20.00 for Filing Fee.

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Respectfully

Alan Snell  
(Inventor's Signature)

I hereby certify that this paper and fee is being deposited with the United States Postal Service using "Express Mail Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to "Commissioner of Patents and Trademarks, Washington, DC 20231, Box: Patent Application."

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Alan Snell

104-03434

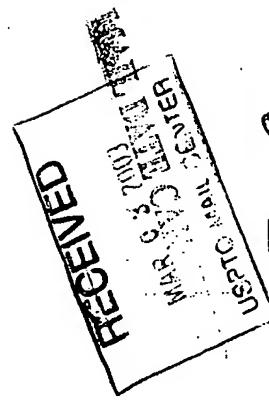
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**PROVISIONAL PATENT APPLICATION**

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## A GENERAL SPECIFICATION

Now the subject of this patent application is more generally described as follows;

The miniaturizing of a diaper is accomplished within a seven step method; namely, means for folding a diaper within a jig, a hand clamping apparatus means for transferring the folded compressed diaper from the jig for inserting into a pliable bag, and vacuum sealing means for further miniaturizing of the diaper within the plastic bag. The miniature size of the finished product fits into a convenient size box for illuminating the bulky nature of carrying bulky diapers within a purse or other carrying cases. The finished product is condensed down to a firm and hard exterior surface, and is disguised in appearance to look like a candy bar instead of a baby or an adult diaper.

The seven step process can be readily adapted to mechanical application for automatic manufacturing assembly line runs.

SPECIFICATION FOR A METHOD FOR MINIATURIZING A DIAPER BY  
FOLDING AND VACUUM SEALING.

The following is a method for packaging a diaper very compactly by folding and vacuum sealing means.

Step 1

Insert a bulky diaper 12 into a U-shaped elongated opened ended forming jig 14 (Picture # 1), laying the outside of diaper 16 downwardly with the inside of diaper 18 upward.

Step 2

The ragged elastic banded edges 20 of diaper 12 are then folded (tucked) inward (Picture # 2) so as to obtain a smooth clean line exterior.

Step 3

In (Picture # 3) a first end 22 is folded inwardly covering a middle portion of the diaper 24 and the other end 26 is then folded in over the other first end 22 and middle portion 24 forming a rectangular shape 28 as shown in (Picture # 4).

Step 5

A spring tensioned hand clamp 30 is opened with one hand 32 so as to have the upper flat rectangular jaw 34 and lower jaw 36 placed over and under the completely folded diaper 28, respectively, as illustrated in (Picture 5 & 6). Another hand 38 compressed the diaper 28 as shown in (Picture # 5). Having the folded diaper 28 compressed, folded diaper 28 is inserted into an open end 40 of a pliable resilient bag 42 as shown in (Picture # 8 & 9), using the hand clamp 30 and jig 14 to facilitate the insertion. As shown in (Picture # 10 & 11) the folded diaper 28 compressed by hand clamp 30 is directly inserted into the open ended bag 42 by hand 32.

Step 6

Folded diaper 28, fully inserted into the bag 42 (Picture # 12), is then placed into a vacuum sealing machine 44's deck 46 (Picture # 13, 14 & 15). The lid 48 (Picture # 15) is fastened down and the vacuum sealing machine 44 vacuums seals and cuts the bag 42 as a finished product 50 (Picture # 1). The finished product 50 is very firm and dense, looks like a taffy candy bar and as small as one.

Step 7

Insert one or more finished products 50 (Vac-U-Diapers) measuring (1" by 2" by 1 1/2") into a box 52 for convenient carrying within a purse 54.

NUMBER OF PART	DEFINITION OF PARTS
12	- Bulky Diaper
14	- Elongated open ended U-shaped Forming Jig.
16	- Outside of Diaper
18	- Inside of Diaper
20	- Jagged Elastic edge of Diaper
22	- First Diaper End
24	- Middle Diaper Portion
26	- Other End of Diaper
28	- Folded Diaper
30	- Hand Clamp
32	- One Hand
34	- Upper Flat Jaw of Clamp
36	- Lower Flat Jaw of Clamp
38	- Other Hand
40	- Open End of Bag
42	- Elastic Pliable Bag
44	- Vacuum Sealing Machine
46	- Deck of Vacuum Sealing Machine
48	- Lid of Vacuum Sealing Machine
50	- Finished Vac-U-Diaper Product
52	- Box
54	- Purse

A BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a view of a bulky diaper in the hands of a person.

FIG. 2 is a sketch of a diaper within a jig made for holding and folding said diaper, with a person folding the rough edges inwardly.

FIG. 3 is a view of a diaper with one end being folded inward.

FIG. 4 is a view of a diaper with the other end being folded inward over the first fold.

FIG. 5 shows a hand clamp gripping a folded diaper.

FIG. 6 shows a hand clamp held by a person compressing a folded diaper being inserted into a plastic bag.

FIG. 7 is a perspective view of a folding jig facilitating the hand clamp for inserting a diaper into a plastic bag.

FIG. 8 a folded and compressed diaper within a small plastic bag.

FIG. 9 a folded and compressed diaper within a small plastic bag being positioned within a vacuum sealing machine.

FIG. 10 shows a vacuum sealed diaper within a plastic bag held by a person.

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FIG. 1

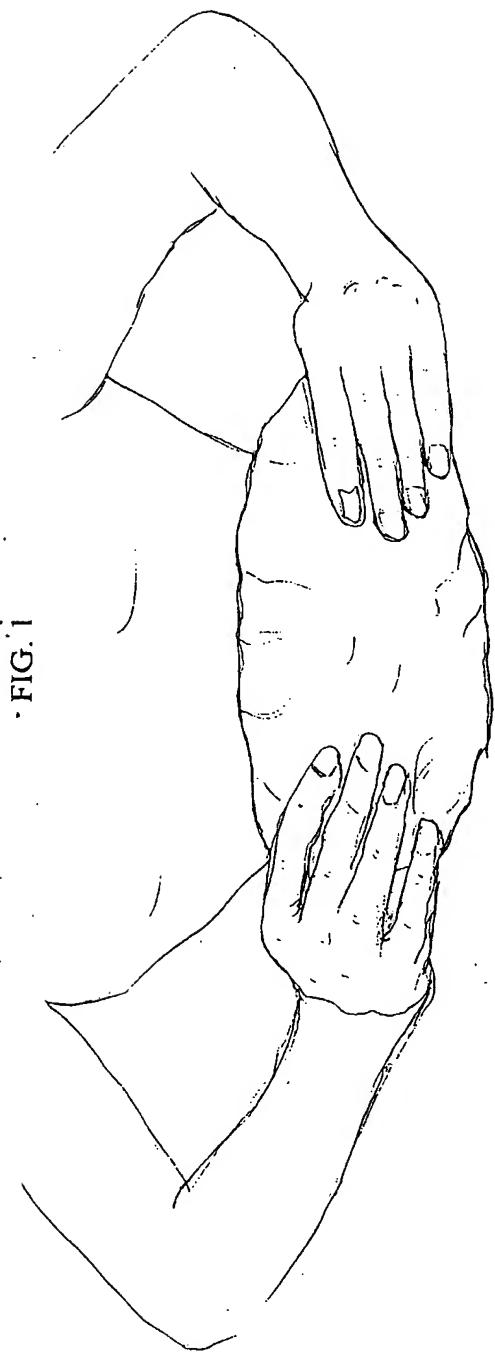


FIG. 2

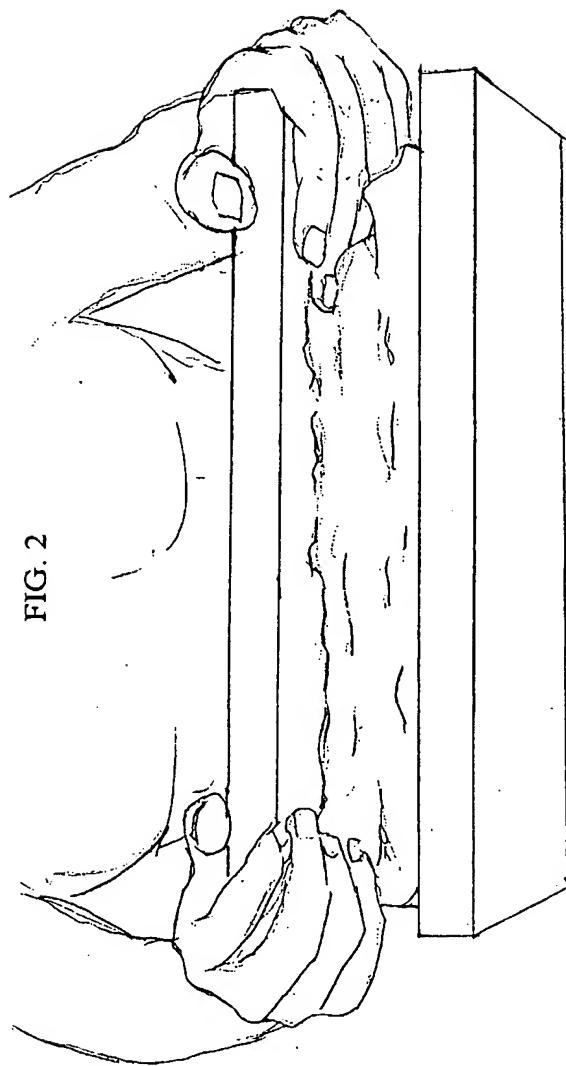


FIG. 4

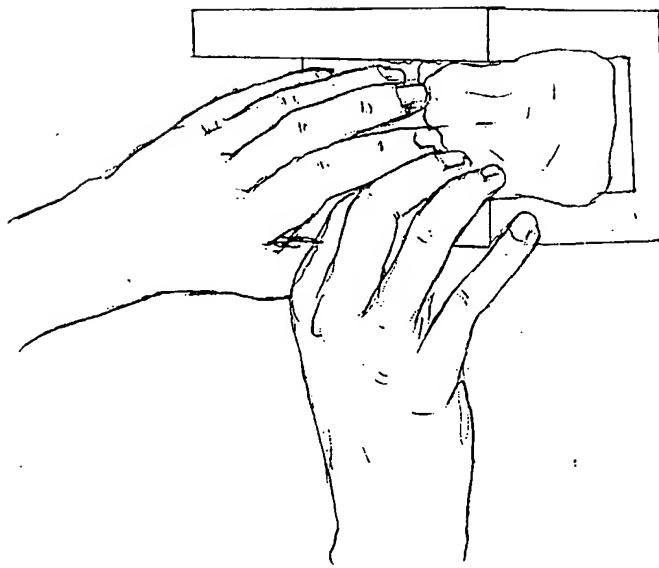


FIG. 3

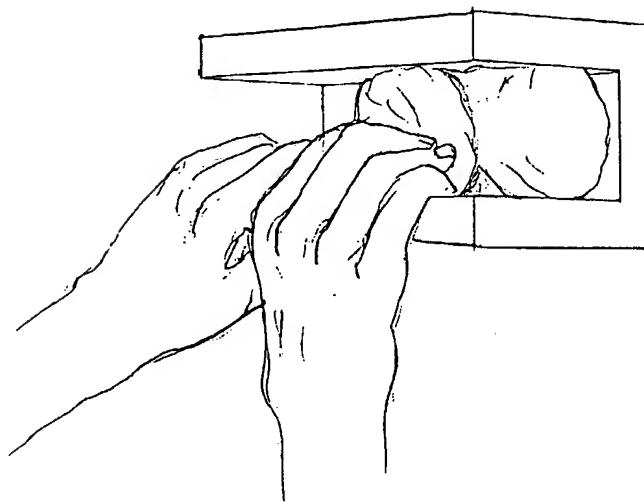


FIG. 5

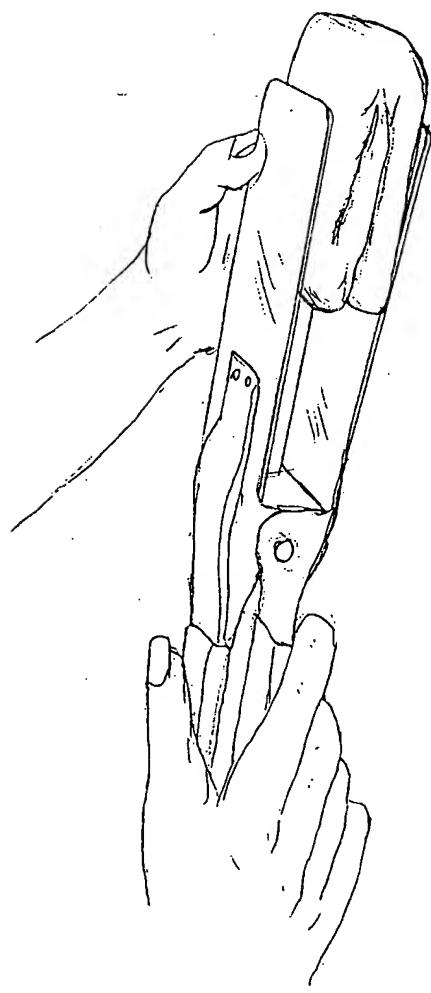
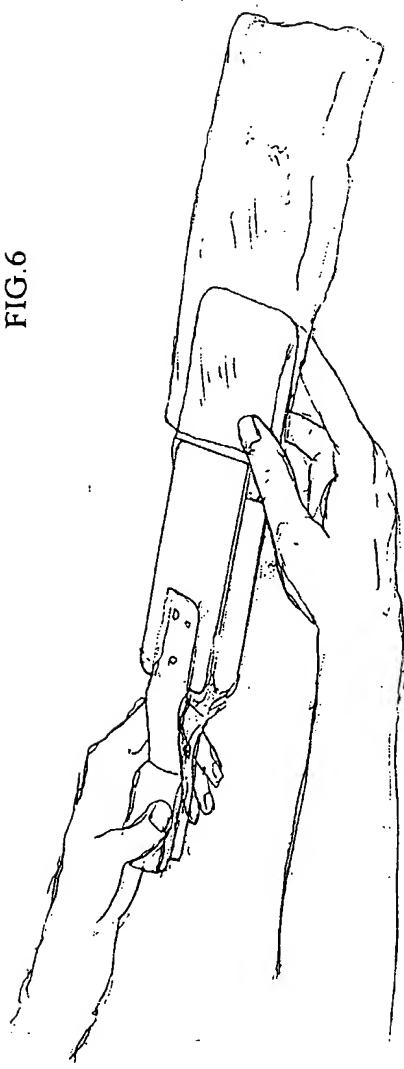


FIG. 6



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FIG. 7

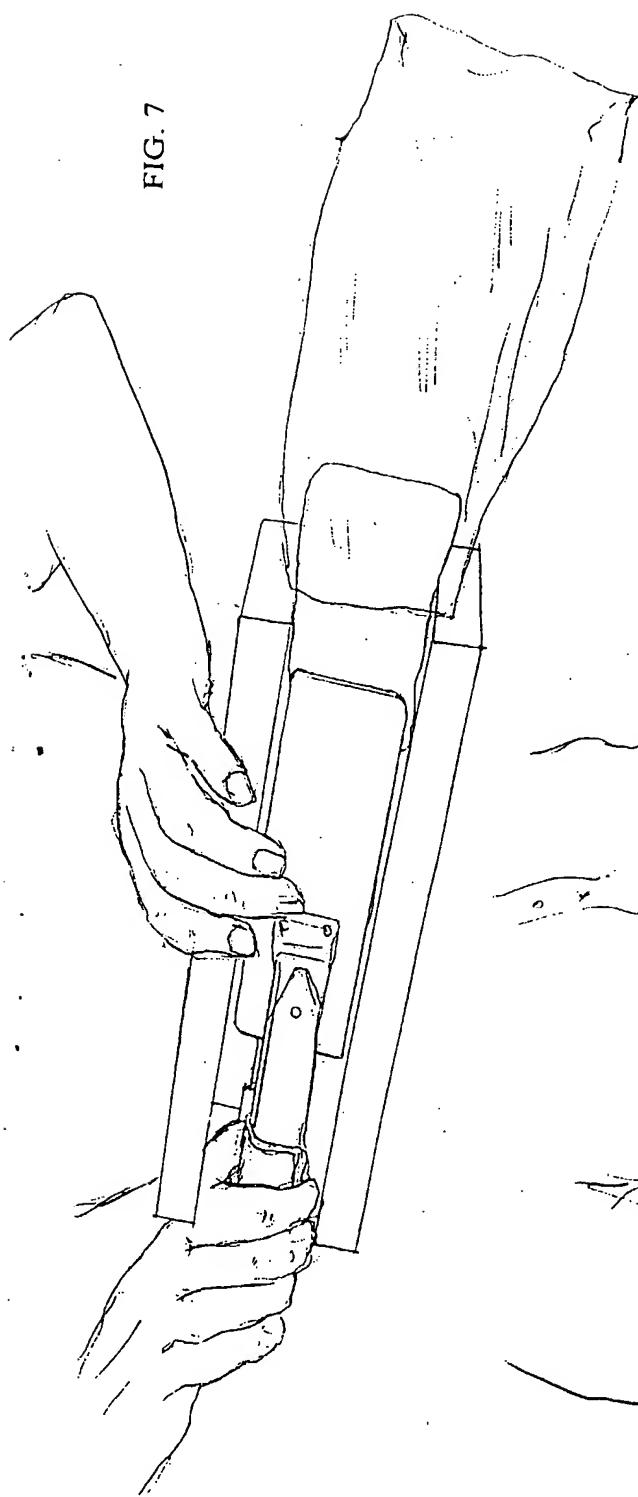
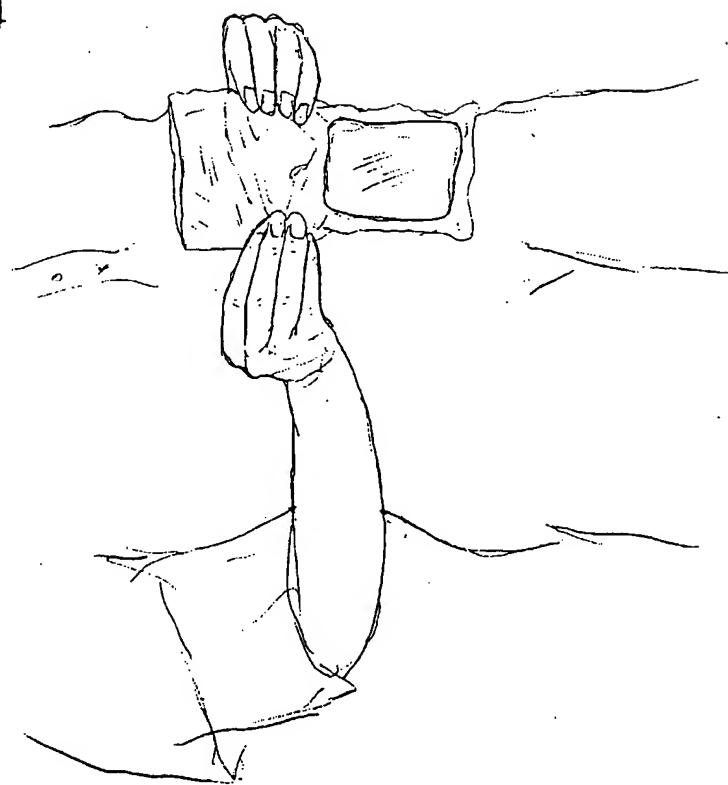


FIG. 8



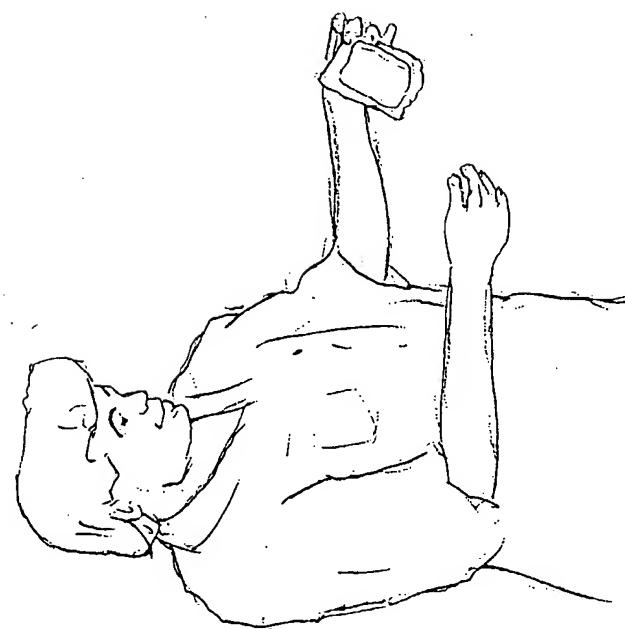


FIG.9

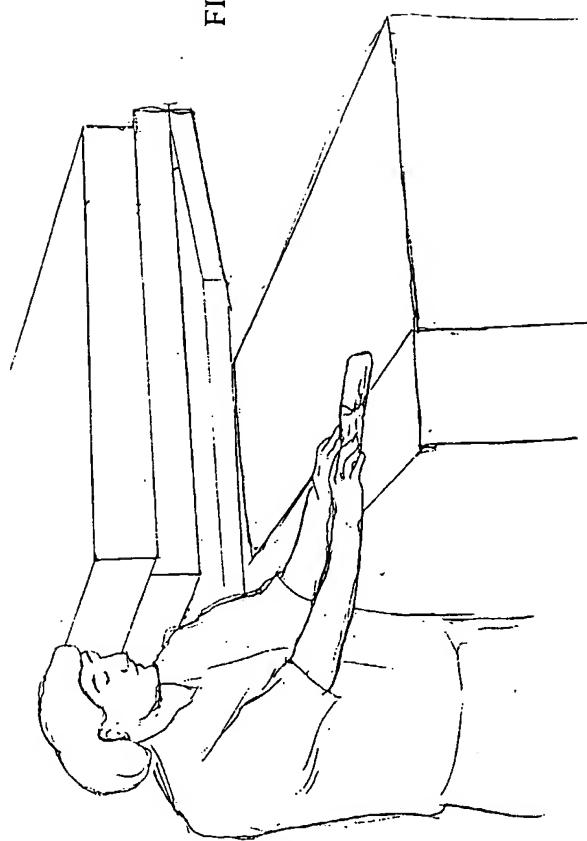


FIG. 10

## In the United States Patent and Trademark Office

First/Sole Applicant: ALAN SNELL

Joint/Second Applicant: \_\_\_\_\_

Title: INVENTOR

## Small Entity Declaration—Independent Inventor(s)

As a below-named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35 United States Code, to the Patent and Trademark Office with regard to my above-identified invention described in the specification filed herewith. I have not assigned, granted, conveyed, or licensed—and am under no obligation under any contract or law to assign, grant, convey, or license—any rights in the invention to either (a) any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or (b) any concern which would not qualify as either (i) a small business concern under 37 CFR 1.9(d) or (ii) a nonprofit organization under 37 CFR 1.9(e).

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I acknowledge a duty to file, in the above application for patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Signature of Sole/First Inventor

ALAN SNELL

Print Name of Sole/First Inventor

Signature of Joint/Second Inventor

Print Name of Second/Joint Inventor

Date of Signature: \_\_\_\_\_

Date of Signature: \_\_\_\_\_

\*Note: A separate Small Entity Statement is required from any listed entity.





PHOTO  
#5



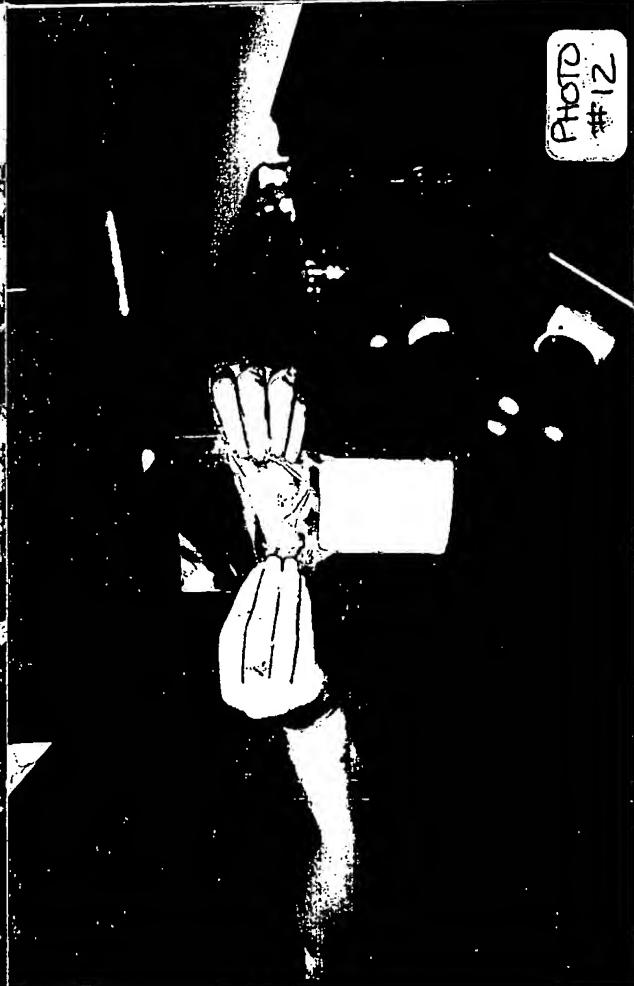
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